CLAIMS

1. A method of setting cell information to set cell information in a radio access network provided with a radio network controller accommodating at least one radio base station, said radio network controller being physically divided into a control-plane processing device and at least one user-plane processing device, wherein said control-plane processing device performs the control plane process, and said user-plane processing device performs the user plane process under control of said control-plane processing device, comprising:

a first step of holding in advance at least one item of cell information in said control-plane processing device, said cell information being the information to be held in common with said user-plane processing device that is under control of said control-plane processing device,

a second step of requesting said cell information from said user-plane processing device to said control-plane processing device, and

a third step of notifying said cell information to be held in common in both of said control-plane processing device and said user-plane processing device from said control-plane processing device to said user-plane processing device that has requested said cell information.

2. A method of setting cell information according to claim 1, wherein said user-plane processing device requests said cell information when its startup process is completed in the second step.

3. A method of setting cell information according to claim 1,

wherein said cell information includes the information to be set with regard to every cell to be covered by said radio base station.

4. A method of setting cell information according to claim 3, wherein said cell information notified in said third step is deployed in said user-plane processing device on a cell-by-cell basis.

5. A method of setting cell information to set cell information in a radio access network provided with a radio network controller accommodating at least one radio base station, said radio network controller being physically divided into a control-plane processing device and at least one user-plane processing device, wherein said control-plane processing device deals with the control plane process, and said user-plane processing device performs the user plane process under control of said control-plane processing device, comprising:

a first step of holding at least one item of cell information in said control-plane processing device in advance, said cell information being the information to be held in common with said user-plane processing device that is under control of said control-plane processing device,

a second step of said control-plane processing device to decide on the user-plane processing device to transmit said cell information, and

a third step of notifying said cell information, to be held in common in both of said control-plane processing device and said user-plane processing device, from said control-plane processing device to said user-plane processing device to which said cell information is to be sent.

6. A method of establishing cell information according to claim 5, wherein said cell information includes the information item established with regard to every cell to be covered by said radio base station.

7. A method of establishing cell information according to claim 6, wherein said cell information notified in said third step is deployed in said user-plane processing device on a cell-cell basis.

8. A radio access network having a radio network controller for controlling at least one radio base station, said radio network controller being physically divided into a device that deals with the control plane process and at least one device that performs the user-plane process, comprising:

at least one user-plane processing device that takes partial charge of the process to be executed by said user-plane under control of said device that deals with the process to be executed by a control plane, and

a control-plane processing device that takes partial charge of said control plane process, holds in advance at least one item of cell information to be held in common with said at least one user-plane processing device that is under control of the control-plane processing device, and when said cell information is requested from any of said at least one user-plane processing device, notifies the item of cell information to be held in common with said relevant user-plane processing device to the relevant user-plane processing device.

9. A radio access network according to claim 8, wherein said

user-plane processing device requests cell information when completing startup processing.

10. A radio access network according to claim 8, wherein said cell information is the information set with regard to every cell covered by said radio base station.

11. A radio access network according to claim 10, wherein said user-plane processing device deploys said cell information notified from said control-plane processing device on a cell-by-cell basis.

12. A radio access network having a radio network controller for controlling at least one radio base station, said radio network controller being physically divided into a device that deals with the process of a control plane, and at least one device that performs the process of an user-plane, comprising:

at least one user-plane processing device that takes charge of the process of said user-plane under control of said device that deals with the control plane process, and

a control-plane processing device that takes charge of said control plane process, holds in advance at least one item of cell information to be held in common with said user-plane processing device that is under control of said control-plane processing device, decides a user-plane processing device to notify said cell information, and notifies said cell information to be held in common with the relevant user-plane processing device to the relevant user-plane processing device.

13. A radio access network according to claim 12, wherein said cell information is the information to be set on a cell-by-cell basis with regard to the cells covered by said radio base station.

14. A radio access network according to claim 13, wherein said user-plane processing device deploys said cell information notified from said control-plane processing device on a cell-by-cell basis.

15. A radio network controller, physically divided into a device that deals with the process of a control plane and at least one device that performs the process of a user-plane, and adapted for controlling a radio base station, comprising

at least one user-plane processing device that takes charge of the process of said user-plane under control of said device that deals with the process of said control plane, and

a control-plane processing device that takes charge of said process of said control plane, holds in advance cell information to be held in common with said at least one user-plane processing device and when any of said at least one user-plane processing device requests notifying said cell information, notifies the item of cell information to be held in common with said relevant user-plane processing device to said relevant user-plane processing device.

16. A radio network controller according to claim 15, wherein said user-plane processing device requests cell information when completing its

startup process.

17. A radio network controller according to claim 15, wherein said cell information includes the information set on a cell-by-cell basis with regard to the cells covered by said radio base station.

18. A radio network controller according to claim 17, wherein said user-plane processing device deploys said cell information notified from said control-plane processing device on the cell-by-cell basis.

19. A radio network controller, physically divided into a device that deals with the process of a control plane and at least one device that performs the process of a user-plane, and controlling a radio base station, comprising

at least one user-plane processing device that takes charge of the user plane process under control of said device that deals with the control plane process, and

a control-plane processing device that takes partial charge of said control plane process, holds in advance at least one item of cell information to be held in common with said user-plane processing device that is under control of the control-plane processing device, decides a user-plane processing device to notify said cell information and notifies said cell information to be held in common with said relevant user-plane processing device to the relevant user-plane processing device.

20. A radio network controller according to claim 19, wherein said

cell information includes the information set on a cell-by-cell basis with regard to the cells covered by said radio base station.

21. A radio network controller according to claim 20, wherein said user-plane processing device deploys said cell information notified from said control-plane processing device on the cell-by-cell basis.

22. A control-plane processing device included in a radio access network that has a radio network controller for controlling at least one radio base station, said radio network controller being physically divided into a device that deals with the process of a control plane and at least one device that performs the process of a user-plane under control of said device that deals with the process of said control plane, and said control-plane processing device being adapted to take charge of the process of said control plane, characterized in that

said control-plane processing device holds in advance at least one item of cell information to be held in common with said at least one device that is under control of said control-plane processing device and takes charge of the process of said user-plane and when said cell information is requested from said device that takes charge of the process of said user-plane, notifies the item of cell information to be held in common with said device that takes charge of the process of said user-plane.

23. A control-plane processing device included in a radio access network that has a radio network controller for controlling at least one radio base station, said radio network controller being physically divided into a

device that deals with the process of a control plane and at least one device that performs the process of a user-plane under control of said device that deals with the process of said control plane, and said control-plane processing device being adapted to take charge of the process of said control plane, characterized in that

said control-plane processing device holds in advance at least one item of cell information to be held in common with said at least device that is under control of said control-plane processing device and takes charge of the process of said user-plane; decides a user-plane processing device to notify said cell information; and notifies said cell information to be held in common with said device that takes partial charge of the process of said user-plane to the relevant device that takes charge of the process of said user-plane.

24. A user-plane processing device included in a radio access network that has a radio network controller for controlling at least one radio base station, said radio network controller being physically divided into a device that deals with the process of a control plane and at least one device that performs the process of a user-plane under control of said device that deals with the process of said control plane, and said user-plane processing device being adapted to take charge of the process of said user plane, characterized in that

said user-plane processing device acquires cell information from said device that takes partial charge of the process of said control plane.

25. A user-plane processing device according to claim 24, wherein

said user-plane processing device requests said cell information when completing its startup process.

26. A user-plane processing device according to claim 25, wherein said user-plane processing device deploys said cell information notified from said device that takes partial charge of the process of said control plane on a cell-by-cell basis with regard to the cells covered by the relevant radio base station.